

Party A Exhibit 10-9

Official Gazette for Kokai Patent Applications, Front Page

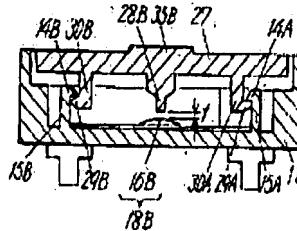
(11) Publication no.: Unexamined Patent Application Publication No. H06-139879
 (43) Disclosure date: May 20, 1994

(51) Int. Cl. ⁵	H01H	25/04
(21) Application no.:	Patent Application No. H04-291089	(71) Applicant: Matsushita Electric Industrial Co., Ltd.
(22) Application date:	October 29, 1992	(72) Inventor(s): Hiroshi Matsui Yukisuke Ishihara Keiji Kaizaki

(54) Composite Push Switch

(57) [Abstract]

[Purpose] Relates to a composite push switch used for the remote control device of an AV apparatus or the keyboard switch or the like, and aims at providing a composite push switch having reduced play in the stroke of an operating button, good operation feeling, no restriction on the shape of the operating button, and good assembly workability.



11	Contact substrate
14A, 14B	Locking claw
15A, 15B	Elastic leg
18B	Unit push switch
27	Operating button
28B	Push rod section

[Constitution] A composite push switch [is constituted] of four unit push switches 18, a molding resin contact substrate 11 integrally formed with four elastic legs 15B having tip claws 14 in the middle, a flat plate-like operating button 27 integrating holding leg 30B with claw 29B that engages the aforementioned claw 14B and push rod section 28B corresponding to the unit switches 18B, and a compression coil spring (not shown) for keeping this operating button 27 at the stationary position. One of the coupling sections between the claws [14]B of the aforementioned elastic legs [15]B and the claws [29]B of the holding legs [30B] is used for the fulcrum when the operating button 27 is inclined, thereby enabling the supply of a composite push switch having a reduced play stroke during operation and an arbitrary operation button shape.